



SLOVENSKI STANDARD SIST EN 3475-505:2004

01-maj-2004

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 505: Tensile test on conductors and strands

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Luft- und Raumfahrt - Elektrische Leitungen für Luftfahrt, Verwendung - Prüfverfahren - Teil 505: Zugfestigkeit der Einzeldrähte und Leiterseile

Série aérospatiale - Câbles électriques a usage aéronautique - Méthodes d'essai - Partie 505: Résistance a la traction des conducteurs et des brins

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Ta slovenski standard je istoveten z: EN 3475-505:2002

ICS:

49.060 Štejni inženjerski sistemi in oprema za letalstvo in zrakoplovstvo
Aerospace electric equipment and systems

SIST EN 3475-505:2004

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3475-505

January 2002

ICS 49.060

English version

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Série aérospatiale - Câbles électriques à usage
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la traction des conducteurs et des brins

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Verwendung - Prüfverfahren - Teil 505: Zugfestigkeit der
Einzeldrähte und Leiterseile

This European Standard was approved by CEN on 6 August 2001.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 3475-505:2002) has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2002, and conflicting national standards shall be withdrawn at the latest by July 2002.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard : Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies a method of measuring the tensile properties of strands and conductors.

It shall be used together with EN 3475-100.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 3475-100 Aerospace series – Cables, electrical, aircraft use – Test methods – Part 100: General

3 Apparatus

The test shall be carried out with the aid of a tensile tester capable of measuring the specified elongation to an accuracy of 1 %.

The pulling speed shall be (50 ± 10) mm/min.

The initial length of the test specimen between the joints shall be (200 ± 5) mm.

4 Method

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4.1 Strands

Measure three strands per size, taken from the complete conductor except for copper alloy sizes $0,15 \text{ mm}^2$ and $0,25 \text{ mm}^2$ where the whole conductor shall be pulled.

4.2 Conductors

These shall be firmly gripped and pulled without jerking.

5 Requirements

The values for elongation and tensile strength shall conform to those given in the product standard.